

305

# THE ANNALS

AND

## MAGAZINE OF NATURAL HISTORY.

[NINTH SERIES.]

No. 23. NOVEMBER 1919.

XXXI.—*Descriptions of new Pyralidæ of the Subfamilies Crambinæ and Siginæ.* By SIR GEORGE F. HAMPSON, Bart., F.Z.S., &c.

[Concluded from p. 154.]

(8b) *Charltona actinialis*, sp. n.

♀. Head and thorax white, the vertex of head with short black streak, the sides of tegulæ and the patagia with black stripes; abdomen white tinged with brown except at base; antennæ and palpi, except above, black; pectus, legs, and ventral surface of abdomen suffused with black. Fore wing black-brown with pure white streaks on the veins; the costal edge white; the cell and submedian fold to below end of cell with fine white streaks; the inner margin with white fascia; the cilia intersected by the white streaks. Hind wing silvery white. Underside of fore wing and costal area of hind wing suffused with reddish brown, the fore wing with rather ill-defined white streaks on median nervure and the veins arising from the cell.

*Hab.* N. NIGERIA, Ilorin (*Macfie*), 1 ♀ type. *Exp.* 40 mm.

(8c) *Charltona atrifascialis*, sp. n.

♀. Head and thorax white mixed with some blackish brown, the outer edge of patagia with obscure blackish brown stripes; abdomen white suffused with reddish brown; antennæ dark brown, white above; palpi black-brown, white above; pectus and legs suffused with blackish brown; ventral surface of abdomen dark reddish brown with white segmental lines. Fore wing glossy white; a cupreous brown fascia on costa to near apex; a blackish fascia in

discal fold from before middle of cell to termen; a stronger fascia below the cell and vein 4 to towards termen with an ochreous tinge below it; the inner area irrorated with blackish brown; the terminal area with black-brown streaks in the interspaces to submedian fold. Hind wing glossy white suffused with brown except on basal and inner area; cilia white. Underside of fore wing reddish brown; hind wing with the costal and terminal areas suffused with reddish brown.

♀. Antennæ wholly blackish; thorax with more black on dorsum; fore wing with strong black fascia on costa, the fasciæ in discal fold and below the cell much stronger.

*Hab.* BR. C. AFRICA, Mt. Mlanje (*Neave*), 4 ♂, 5 ♀ type. *Exp.*, ♂ 34, ♀ 48 mm.

(8e) *Charltona albimixtalis*, sp. n.

Head, tegulæ, and prothorax white, the sides of tegulæ and patagia red-brown mixed with black-brown, the dorsum of thorax and abdomen white mixed with red-brown; antennæ red-brown; palpi black-brown, pectus and legs black-brown mixed with whitish. Fore wing rufous, the discal fold from middle of cell with a black-brown fascia mixed with white interrupted by an ill-defined white discoidal spot; the submedian interspace and interspaces of terminal area with black-brown fasciæ mixed with white. Hind wing white, the terminal half suffused with cupreous brown; cilia white mixed with rufous and with slight rufous line near base. Underside of fore wing and the hind wing except on basal area suffused with red-brown.

*Hab.* GAMBIA (*Dudgeon*), 1 ♀; GOLD COAST, Aburi (*Johnson*), 1 ♂; N. NIGERIA, Zungeru (*Macfie*), 2 ♀, Ilorin (*Macfie*), 1 ♀ type. *Exp.* 36-46 mm.

(9a) *Charltona albidalis*, sp. n.

Head, thorax, and abdomen white, the last with the 2nd and 3rd segments dorsally tinged with fulvous; antennæ rufous except above; palpi and legs slightly tinged with rufous. Fore wing glossy white, the inner half sparsely irrorated with elongate brown scales; a slight brownish fascia in base of submedian fold and a fascia in discal fold from middle of cell to termen; a terminal series of blackish points. Hind wing glossy white; a slight dark terminal line to submedian fold. Underside of fore wing and costal area of hind wing tinged with red-brown except towards termen.

*Hab.* SIERRA LEONE, Freetown (*Quinton*), 1 ♂; SUDAN, White Nile, Gabt el Megahid (*Dunn*), 1 ♂, 1 ♀ type. *Exp.* 30-40 mm.

(9b) *Charltona argyrastis*, sp. n.

♀. Head and thorax silvery white mixed with some blackish; abdomen silvery white tinged with red-brown; antennæ blackish; palpi, pectus, legs, and ventral surface of abdomen suffused with

rufous. Fore wing uniform brilliant silvery white, the costal edge with a fulvous tinge. Hind wing fuscous brown, the terminal area silvery white except towards tornus, the cilia with a faint fulvous tinge. Underside of both wings fuscous brown, the terminal area silvery white.

*Hab.* BR. E. AFRICA, N. Kavirondo, Up. Nzoi R. (*Neave*), 1 ♀. Nasisi Hills (*Neave*), 1 ♀ type. *Exp.* 30 mm.

(206 a) *Crambus chionopepla*, n. n.

*Crambus chionostola*, Hmspn. A. M. N. H. (9) iii. p. 442 (1919); nec Hmspn. A. M. N. H. (9) iii. p. 290 (1919).

#### Subfamily SIGINÆ.

The genus *Siga*, Hübn. Verz. p. 195 (1827), type *liris*, is older than *Schœnobius*, Dup., 1844.

(3 a) *Niphopyralis chionesis*, sp. n.

♀. Head, thorax, and abdomen glossy white; antennæ fuscous except towards base; palpi with dark brown streak at sides to near tips; fore tibiæ and tarsi black-brown in front. Fore wing glossy white and thickly scaled; traces of a waved fuscous antemedial line except towards costa; a faint sinuous medial line angled outwards beyond the cell and ending at submedian fold; a rather more distinct subterminal line, excurved from below costa to vein 2, then oblique and sinuous; a terminal series of blackish striæ; cilia tinged with yellow-brown and with a slight brown line near base. Hind wing glossy white with a faint brownish shade beyond the cell; a slight blackish terminal line to near tornus and point at submedian fold; cilia almost pure white. Underside of fore wing suffused with reddish brown except on inner area.

*Hab.* QUEENSLAND, Townsville (*Dodd*), 2 ♀ type. *Exp.* 20 mm.

(3 b) *Niphopyralis discipunctalis*, sp. n.

♀. Head, thorax, and abdomen glossy white; antennæ fulvous yellow; palpi with dark brown streak at sides; fore legs tinged with brown. Fore wing glossy white; a black discoidal point; a slight blackish terminal line, almost obsolete except towards apex. Hind wing glossy white; a slight blackish terminal line to near tornus. Underside of fore wing with the costal area and the terminal area to vein 2 suffused with dark brown.

*Hab.* LOUISIADÉ IS., St. Aignan I. (*Meek*), 1 ♀ type. *Exp.* 18 mm.

(1) *Calamoschœna nigripunctalis*, sp. n.

♂. Head and thorax pale brownish rufous, the metathorax with a pair of black points; abdomen whitish tinged with brownish rufous; tarsi ringed with black towards extremities. Fore wing

pale brownish rufous; a black point in the cell near base; small obliquely placed black antemedial spots below costa and on vein 1; a small wedge-shaped black spot at lower angle of cell and two points above upper angle; small black subterminal spots below costa and on vein 1 with traces of a line between them, excurved below costa. Hind wing whitish tinged with brownish rufous. Underside of fore wing suffused with reddish brown, the inner area paler, two black points above end of cell and a punctiform black subterminal line from costa to vein 4; hind wing with subterminal black points on veins 8 to 3.

*Hab.* UGANDA, Kampala (*Ansorge*), 1 ♂ type. *Exp.* 20 mm.

(2) *Calamoschœna stictalis*, sp. n.

Head, thorax, and abdomen ochreous white, the last with dorsal black spots on two basal segments and slight fuscous bands on the following segments; tarsi ringed with blackish. Fore wing ochreous white; small subbasal, antemedial, medial, and postmedial spots on vein 1; a curved slightly waved fuscous subterminal line with small black spots on it below costa and on vein 1; a terminal series of blackish points. Hind wing ochreous white with a terminal series of blackish points.

*Hab.* BR. C. AFRICA, Mt. Mlanje (*Neave*), 1 ♀; MASHONALAND, Salisbury (*Marshall*), 1 ♀; LOURENÇO MARQUES, Delagoa Bay (*Druce*), 1 ♂ type; TRANSVAAL, White R. (*Cooke*), 1 ♂, Pretoria (*Janse*), 1 ♀. *Exp.* 14-20 mm.

Genus STENOCALAMA, nov.

Type, *S. ochrotis*.

Proboscis aborted and small; palpi upturned, slender, the 2nd joint reaching to about vertex of head, the 3rd rather long; maxillary palpi small and filiform; frons rounded; antennæ of female somewhat laminate and almost simple. Fore wing long and narrow, the apex rounded, the termen oblique; vein 2 from towards angle of cell; 3 and 5 from angle, 4 absent; 6 from below upper angle; 7, 8, and 10 stalked, 9 absent; 11 from cell. Hind wing with vein 2 from close to angle of cell; 3 and 5 strongly stalked, 4 absent; 6, 7 shortly stalked; 8 anastomosing with 7.

*Stenocalama ochrotis*, sp. n.

♀. Head, thorax, and abdomen white tinged with rufous. Fore wing whitish suffused with rufous and without markings. Hind wing white, the costal area tinged with rufous.

*Hab.* UGANDA, Gondokoro (*Reymes-Cole*), 1 ♀ type. *Exp.* 16 mm.

Genus PLATYTESIS, nov.

Type, *P. semifurva*.

Proboscis aborted and minute; palpi upturned, the 2nd joint

reaching to vertex of head and broadly fringed with scales in front, the 3rd moderate and acute; maxillary palpi slight and filiform; frons smooth and rounded; antennæ of female somewhat laminate and almost simple. Fore wing rather narrow, the apex rounded; vein 3 from before angle of cell; 5 from just above angle; 6 from below upper angle; 7 from angle; 8, 9 stalked; 10, 11 from cell. Hind wing with veins 3, 4 from angle of cell; 5 from just above angle; 6, 7 shortly stalked; 8 anastomosing with 7.

*Platytesis semifurva*, sp. n.

♀. Head and thorax fulvous; abdomen whitish, dorsally suffused with fulvous; pectus and legs whitish. Fore wing fulvous with slight dark irroration; cilia silvery white with a black line near base. Hind wing white with a faint brownish tinge; the cilia with a slight blackish line near base to submedian fold. Underside white, the fore wing and costal area of hind wing suffused with fulvous.

*Hab.* SIAM, Biserat, 1 ♂ type. *Exp.* 16 mm.

Genus *PATISSODES*, nov.

Type, *P. fulvinotata*.

Proboscis aborted and minute; palpi upturned, the 2nd joint reaching to about middle of frons and moderately scaled in front, the 3rd moderate and obtuse; maxillary palpi minute; frons smooth and rounded; antennæ of male laminate and almost simple. Fore wing with the apex rounded, the termen evenly curved; veins 3, 4, 5 from angle of cell, 4, 5 approximated for a short distance; 6 from below upper angle; 7, 8, 9 stalked; 10, 11 from cell. Hind wing with veins 3, 4, 5 from angle of cell; 6, 7 from upper angle; 8 anastomosing with 7.

*Patissodes fulvinotata*, sp. n.

♂. Head, thorax, and abdomen silvery white; antennæ yellow-brown; palpi blackish above to near extremity of 2nd joint; fore tibiæ and the tarsi banded with black-brown. Fore wing silvery white; a rather diffused pale fulvous antemedial band, oblique to just below the cell, where it is angled outwards, then inwardly oblique; a diffused pale discoidal spot; a diffused pale fulvous subterminal band, interrupted between veins 5 and 3, where there is a spot beyond it on termen. Hind wing silvery white. Underside white; fore wing with postmedial series of minute blackish streaks on the veins from below costa to vein 3; hind wing with punctiform blackish postmedial line from costa to vein 3.

*Hab.* SINGAPORE (*Ridley*), 1 ♂ type. *Exp.* 20 mm.

(2) *Neoschænobia decoloralis*, sp. n.

♀. Head and thorax pale reddish brown, the frons with white

line at sides; abdomen white, dorsally tinged with reddish brown except towards extremity; pectus and legs white, the latter tinged with reddish brown. Fore wing pale reddish brown; an oblique sinuous fuscous antemedial line; a blackish discoidal bar; postmedial line fuscous, excurved to vein 3, then incurved. Hind wing white slightly tinged with reddish brown. Underside white, the fore wing and costal half of hind wing tinged with reddish brown.

*Hab.* N. CHINA, Peking, Western Hills (*Hughes*), 1 ♀ type. *Exp.* 32 mm.

(2) *Acropentias papuensis*, sp. n.

♀. Head, thorax, and abdomen white suffused with pale fulvous brown; pectus and mid and hind legs white, the fore legs fulvous brown with the tarsi tinged with fuscous. Fore wing pale fulvous brown with slight dark irroration; the terminal half of costa with a series of black bars with white between them; a blackish antemedial line, oblique to submedian fold; an oblique black discoidal bar, defined on outer side by white; postmedial line blackish, excurved beyond the cell, then oblique; a terminal series of black points; cilia white with a dark brown line near base interrupted at the veins, the tips brown between veins 4 and 2. Hind wing white tinged with fulvous brown; a blackish postmedial line from costa to submedian fold; a terminal series of blackish striae to submedian fold; cilia white with series of blackish points near base to vein 4, blackish at base and tips between veins 4 and 2. Underside of fore wing whitish suffused with fulvous brown, a black discoidal point with some diffused white beyond it, an oblique black postmedial line, diffused towards costa on which there is a black spot before it and obsolescent below vein 3, some black points beyond it on costa; hind wing white slightly tinged with fulvous brown, a black discoidal point and slightly waved postmedial line, incurved below vein 3 and obsolete below vein 1.

*Hab.* DUTCH N. GUINEA, Kapaur (*Doherty*), 1 ♀ type. *Exp.* 22 mm.

(2) *Auchmophora sufetuloides*, sp. n.

♂. Black-brown. Fore wing with numerous white points on costa; a pale antemedial line dentate above vein 1; a dark discoidal spot; a pale subterminal line slightly excurved at middle. Hind wing with pale subterminal line angled at vein 2.

♀ darker, especially the hind wing.

*Hab.* SIERRA LEONE (*Clements*), 1 ♀; S. NIGERIA, Warri (*Roth*), 1 ♂ type. *Exp.*, ♂ 14, ♀ 20 mill.

Genus *NEOBANEPA*, nov.

Type, *N. aglossodes*.

Proboscis aborted and minute; palpi with the 2nd joint porrect, extending about twice the length of head and somewhat angled

with scales above at middle, the 3rd rather long, obliquely upturned, and acuminate at extremity; maxillary palpi strongly dilated with scales; frons smooth and rounded; antennæ of male somewhat laminate and minutely ciliated. Fore wing with the apex somewhat produced and acute, the termen evenly curved; vein 3 from before angle of cell; 4, 5 shortly stalked; 6, 7 stalked; 8, 9 stalked; 10, 11 from cell, 11 anastomosing with 12. Hind wing with vein 3 from angle of cell; 4, 5 stalked; 6, 7 from upper angle; 8 anastomosing with 7.

*Neobanepa aglossodes*, sp. n.

Head and thorax black-brown mixed with some golden ochreous; antennæ golden ochreous; abdomen pale golden ochreous with some blackish irroration towards extremity and with lateral black stripes. Fore wing black-brown with a golden ochreous gloss, the terminal area more golden ochreous especially towards costa; antemedial line whitish defined on outer side by diffused black, angled outwards at discal and submedian folds; a black discoidal spot; the medial part of costa golden ochreous with two small black spots on it; postmedial line whitish defined on inner side by diffused black, excurved from below costa to submedian fold and incurved at vein 1; the terminal area with three small black spots on costa and a terminal series of black points; cilia with a black line near base followed by a white line. Hind wing pale golden ochreous with a slight blackish discoidal spot and faint diffused postmedial line from costa to vein 5. Underside of fore wing with the terminal area clear golden ochreous, the black spots on terminal half of costa distinct, a curved black postmedial bar from costa; hind wing with the costal area suffused with black to the postmedial line which is distinct to vein 5, the discal spot also distinct; a postmedial black bar above inner margin and mark at tornus.

*Hab.* PERU, St. Domingo (*Ockenden*), 4 ♂, 2 ♀ type. *Exp.* 20–28 mm.

Genus *Nymphulodes*, nov.

Type, *N. (Nymphula) franciscalis*, Schaus.

Proboscis aborted; palpi porrect, the 2nd joint extending about three times length of head and fringed with long hair above and below, the 3rd moderate, upturned, naked; maxillary palpi strongly dilated with scales; antennæ of male annulate and ciliated, hind tibiæ with two pairs of spurs. Fore wing very long and narrow, the apex rounded, the termen obliquely curved; vein 3 from before angle of cell; 5 from just above angle; 6 from below angle; 7 from angle; 8, 9, 10 stalked; 11 from cell, free. Hind wing with veins 3, 4 from angle of cell, 4, 5 coincident; 6, 7 from upper angle, 8 anastomosing with 7 towards apex.

*Nymphulodes franciscalis*.

*Nymphula franciscalis*, Schaus, Pr. U.S. Nat. Mus. xxx, p. 139 (1906). Brazil,

(7) *Alpheias bipunctalis*, sp. n.

♂. Head and thorax fuscous brown with a slight cupreous gloss; abdomen pale cupreous tinged with brown; pectus, legs, and ventral surface of abdomen whitish, the fore tibiæ suffused with fuscous and the tarsi ringed with fuscous. Fore wing pale cupreous yellow, the costal area white from before middle to the subterminal line curving down to median nervure at end of cell, enclosing a diffused blackish mark on medial part of costa and defined by blackish before it on costa and below; black points in lower part of cell towards extremity and on discocellulars; rather diffused blackish postmedial and subterminal lines, somewhat incurved to vein 5 where they are slightly excurved, the subterminal line bent outwards to apex; a punctiform blackish terminal line. Hind wing whitish tinged with cupreous brown. Underside whitish suffused with brown.

*Hab.* JAMAICA, Moneague (*Walsingham*), 1 ♀ type. *Exp.* 12 mm.

Genus *SCHÆNERUPA*, nov.

Type, *S. thermantis*.

Proboscis aborted and minute; palpi porrect, extending about two and a half times length of head and roughly scaled; maxillary palpi triangularly dilated with scales; frons with slight rounded prominence; antennæ of male strongly laminate and ciliated. Fore wing with the apex rounded, the termen evenly curved; vein 3 from well before angle of cell; 5 from just above angle; 6 from below upper angle; 7 shortly stalked with 8, 9, 10; 11 from cell. Hind wing with vein 3 from well before angle of cell; 5 from just above angle; 6, 7 shortly stalked; 8 anastomosing with 7.

*Schænerupa thermantis*, sp. n.

♂. Head and thorax deep rufous; abdomen cupreous yellow. Fore wing bright rufous with a cupreous gloss and slight dark irroration; antemedial line whitish to submedian fold, then dark, angled outwards at median nervure; a small rather diffused blackish discoidal spot; postmedial line with white bar from costa, then blackish, angled outwards below costa, then oblique and ending in a small spot on inner margin. Hind wing yellowish tinged with cupreous rufous. Underside of fore wing rufous, of hind wing yellowish with the costal area suffused with rufous; both wings with oblique rather diffused rufous postmedial line.

*Hab.* ECUADOR, R. Pastaza, El Topo (*Palmer*), 1 ♂ type. *Exp.* 26 mm.

Genus *ENDOTRICHODES*, nov.

Type, *E. margaritifera*.

Proboscis absent; palpi porrect, extending about the length of head, the 2nd joint in male with tuft of hair above from base



curved forwards to near tips of palpi, the extremity of 2nd joint fringed with hair above hiding the 3rd joint, in female the palpi moderately scaled and the 3rd joint minute; maxillary palpi triangularly dilated with scales; frons smooth and rounded; antennæ of male ciliated. Fore wing with the apex rounded, the termen excised below apex and excurved at middle; vein 3 from below angle of cell; 5 from just above angle; 6 from below upper angle; 7 from angle; 8, 9, 10 stalked; 11 from cell. Hind wing with the termen excurved at middle; veins 3 and 5 from close to angle of cell; 6, 7 very shortly stalked; 8 anastomosing with 7.

*Endotrichodes margaritifera*, sp. n.

Head, thorax, and abdomen bright rufous; antennæ brownish; palpi white at base below; pectus and legs white, the fore tibiæ at extremities and the tarsi banded with black; ventral surface of abdomen whitish tinged with rufous. Fore wing bright rufous with slight dark irroration; an oblique subbasal whitish striga from costa; a strongly excurved pearly white medial line, obsolescent below submedian fold and defined on outer side by blackish towards costa; a small rather diffused black discoidal spot; postmedial line double, dark brown, filled in with pearly white and with some pearly white before it on costal area, slightly excurved below costa and at middle, then oblique and sinuous; a terminal series of small silvery white spots defined on outer side by black striæ. Hind wing bright rufous with slight dark irroration; some whitish at base and on basal half of inner margin; ante- and postmedial lines deep rufous from costa to above inner margin, the former defined on inner side slightly by yellowish and sinuous, the latter slightly defined on outer side by yellowish, excurved to beyond lower angle of cell to below which it is bent inwards, then sinuous and joining the antemedial line at vein 1, a small black discoidal spot between them with a pearly white band from it to vein 1; a terminal series of silvery white striæ defined on outer side by black striæ. Underside ochreous tinged with rufous; fore wing with slight obliquely curved sinuous brown antemedial line, small black discoidal spot and double slightly waved postmedial line filled in with whitish at costa; hind wing with slight brown antemedial line sinuous to median nervure, then oblique, two black discoidal points and brown waved postmedial line excurved from below costa to vein 3 then incurved, some white between the lines below the cell.

*Hab.* BR. N. GUINEA, Milne Bay (*Meeke*), 1 ♂, 1 ♀ type.  
*Exp.*, ♂ 20, ♀ 28 mm.

Genus EXODESIS, nov.

Type, *E. vaterfieldi*.

Proboscis absent; palpi downcurved, extending about two and a half times length of head, thickly scaled, the 2nd joint broadly

scaled above towards extremity, the 3rd rather long; maxillary palpi triangularly dilated with scales; frons smooth; antennæ of male laminate and almost simple; tibiæ smoothly scaled. Fore wing rather narrow, the apex rounded, the termen obliquely curved; veins 3 and 5 from close to angle of cell; 6 from upper angle; 7, 8 coincident and 9 stalked with them almost to apex; 10, 11 from cell. Hind wing with vein 3 from angle of cell; 4, 5 stalked almost to termen; 6, 7 from upper angle; 8 anastomosing with 7 to near apex.

In key differs from *Leucoides*, etc., in the fore wing having veins 7 and 9 stalked, 8 absent.

*Exodesis vaterfieldi*, sp. n.

♂. Head and thorax fuscous brown glossed with grey, the antennæ ochreous; abdomen ochreous white tinged with red-brown; pectus and legs ochreous mixed with brown, the fore legs and tarsi black, the latter ringed with white. Fore wing grey-white irrorated with pale fuscous brown especially on basal area and at termen, the costal area almost pure white from the antemedial to the subterminal line; antemedial line double, brownish, faint, rather diffused and somewhat oblique; a black bar from middle of costa, strong black discoidal bar, and some black irroration towards extremity of median nervure; postmedial line faint, brownish, rather diffused, excurved to vein 4, then incurved; a faint waved brownish subterminal line; a fine dark terminal line and ochreous white line at base of cilia, which are strongly irrorated with fuscous brown. Hind wing glossy white; a fine red-brown terminal line and red-brown line near base of cilia.

*Hab.* SUDÁN, Port Sudán (*Waterfield*), 1 ♂ type. *Exp.* 18 mm.

(3) \**Obtusipalpis brunneata*, sp. n.

♀. White; palpi tinged with fuscous at sides; tarsi tinged with fulvous and ringed with black; abdomen dorsally tinged with fuscous on basal half and with fulvous towards extremity. Fore wing with some fuscous at base; a large brown patch from before middle to termen except on apical area, the veins on it streaked with darker brown and white and with a white spot on vein 2 near its origin, the inner margin streaked with white, the costal area white, the brown only extending to costa before middle and near apex; a fine terminal black line and some black points towards apex; cilia fulvous at base, white at tips. Hind wing pure white with terminal series of black points, the cilia yellow at base.

*Hab.* S. NIGERIA, Warri (*Dr. Roth*), type ♀ in Coll. Rothschild. *Exp.* 28 mm.

(5) *Obtusipalpis fusipartalis*, sp. n.

♀. Head and thorax white; abdomen white tinged with fulvous

brown leaving whiter segmental lines; antennæ tinged with fulvous brown; palpi with the 2nd joint dark brown above to near extremity; pectus, legs, and ventral surface of abdomen white. Fore wing white suffused with fulvous brown leaving the base, the costa to beyond middle, the apical part of terminal area and a spot below end of cell white; a faint oblique antemedial shade; traces of a dark discoidal annulus; a faint dark subterminal shade from costa to vein 3 with slight dark streaks on it at the veins, interrupted by a white streak in discal fold; black points on termen from apex to vein 3, rather wedge-shaped towards apex. Hind wing white; the termen with black points to vein 3 then a fine line to near tornus; cilia tinged with fulvous at base. Underside of fore wing tinged with fulvous brown except on inner area.

*Hab.* GOLD COAST, Kumasi (*Whiteside*), 1 ♀ type. *Exp.* 20 mm.

(6) *Obtusipalpis albidalis*, sp. n.

♂. Head, thorax, and abdomen white slightly tinged in parts with fulvous brown; palpi, with the 2nd joint black above; pectus, legs, and ventral surface of abdomen white, the fore tibiæ and tarsi banded with blackish. Fore wing white slightly tinged with fulvous; a faint dark discoidal bar and oblique diffused post-medial line from vein 4 to inner margin; a terminal series of black points to vein 4, then a fine line; cilia more strongly tinged with fulvous. Hind wing white; a terminal series of black points to vein 4, then a fine line to near tornus. Underside white faintly tinged with fulvous.

*Hab.* SIERRA LEONE (*Clements*), 3 ♂; GOLD COAST, Kumasi (*Whiteside*), 1 ♀ type. *Exp.* 18-20 mm.

(7) *Brihaspa tinctalis*, sp. n.

*Donacaula cutoxodes*, Turner, Ann. Queensl. Mus. 1911, p. 118, non descr.

♀. Head, thorax, and abdomen white, the sides of head, tegulæ, and patagia tinged with fulvous brown, the abdomen with some fulvous on dorsum near base; palpi at sides and fore legs in front fulvous brown. Fore wing white tinged with fulvous brown leaving slight white streaks on the veins, the inner and terminal areas whiter; a double very slightly sinuous fulvous brown sub-terminal line, arising from apex, oblique to vein 2, then bent inwards to inner margin before middle; a black terminal line; cilia with a slight fulvous brown line near tips. Hind wing white with a very slight fulvous brown tinge. Underside of fore wing and costa of hind wing slightly tinged with fulvous brown.

*Hab.* QUEENSLAND, Kuranda (*Dodd*), 1 ♀ type. *Exp.* 20 mm.

(3a) *Patissa fulvipunctalis*, sp. n.

♀. Head, thorax, and abdomen white. Fore wing silvery white; a slight orange-fulvous discoidal spot and a subterminal spot on

vein 6 with a point above it on vein 7. Hind wing and underside white.

*Hab.* UGANDA, Gondokoro (*Reymes-Cole*), 1 ♀ type. *Exp.* 16 mm.

(3 b) *Patissa stenopteralis*, sp. n.

♂. Pure white. Fore wing very long and narrow; a pale cupreous brown point below costa near base and patch below the cell; a straight erect antemedial band; a discocellular spot conjoined to the postmedial band which is bent inwards to lower angle of cell; a subterminal highly dentate line; a fine marginal line.

*Hab.* QUEENSLAND, Innisfail, type †♂ in Coll. Rothschild. *Exp.* 16 mm.

(5 a) *Patissa rubrilinealis*, sp. n.

♀. Head, thorax, and abdomen white. Fore wing silvery white; a slightly inwardly oblique scarlet medial line from just below costa to inner margin; an oblique scarlet subterminal striga from below costa to vein 7 with a point below it on vein 6. Hind wing and underside silvery white.

*Hab.* BR. C. AFRICA, Mt. Mlanje (*Neave*), 1 ♀ type. *Exp.* 12 mm.

(5 b) *Patissa atrilinealis*, sp. n.

♀. Head, thorax, and abdomen white. Fore wing silvery white; an inwardly oblique cupreous black-brown line from upper angle of cell to inner margin; an oblique slightly sinuous cupreous black-brown line from apex to discal fold; a terminal series of cupreous black-brown points. Hind wing and underside silvery white.

*Hab.* BR. E. AFRICA (*Hinde*), 1 ♀ type. *Exp.* 18 mm.

(5 d) *Patissa rufitinctalis*, sp. n.

♂. Head and thorax white suffused with pale rufous; abdomen white; palpi blackish; pectus and legs suffused with pale rufous. Fore wing white suffused with pale rufous leaving some white in and below end of cell and the terminal area white except at costa; a minute black point at upper angle of cell and small spot at lower angle. Hind wing white; a pale rufous subterminal spot below vein 2 and a spot at tornus. Underside white.

♀. Hind wing with the inner area suffused with pale rufous and without the spots below vein 2 and at tornus.

*Hab.* SIERRA LEONE (*Clements*), 1 ♂, 1 ♀ type. *Exp.* 20 mm.

(5 f) *Patissa geminalis*, sp. n.

♂. Head, thorax, and abdomen pure white, the sides of frons, palpi, pectus, fore and mid legs suffused with fuscous. Fore wing silvery white with prominent black points at upper and lower

angles of cell. Hind wing silvery white. Underside of fore wing with the costal area tinged with fuscous.

♀. Without any fuscous except on inner side of fore legs.

*Hab.* BR. E. AFRICA, Mukuniu (*Betton*), 1 ♀, Samburu (*Betton*), 1 ♀; UGANDA, Gondokoro (*Reymes-Cole*), 1 ♂; "GERM. E. AFRICA," Dar-es-Salaam, 1 ♀; BR. E. AFRICA, Mt. Mlanje (*Neuve*), 6 ♂, 6 ♀ type; MASHONALAND, Salisbury (*Marshall*), 1 ♂, 2 ♀. *Exp.* 20-30 mm.

(5 h) *Patissa monostilzalis*, sp. n.

Head, thorax, and abdomen white; antennæ blackish except above; palpi blackish; pectus and legs tinged with cupreous brown. Fore wing silvery white; a minute black spot at lower angle of cell. Hind wing and underside silvery white.

*Hab.* S. NIGERIA, Lagos (*Dudgeon*), 1 ♂; N. NIGERIA, Minna (*Macfie*), 1 ♂, 1 ♀ type. *Exp.* 20 mm.

(6 b) *Patissa ochreipalpalis*, sp. n.

♂. Head, thorax, and abdomen silvery white; palpi ochreous yellow; fore tibiæ fuscous. Fore and hind wings uniform silvery white. Underside of fore wing tinged with red-brown.

*Hab.* COMORO Is., Mayotta (*Meade-Waldo*), 2 ♂ type. *Exp.* 14 mm.

(6 c) *Patissa fulvicepsalis*, sp. n.

♂. Head orange-fulvous; antennæ white, brown at sides; thorax and abdomen silvery white; fore legs tinged with brown. Fore and hind wings uniform silvery white. Underside of fore wing tinged with brown except on terminal area.

Ab. 1. Tegulæ and legs tinged with orange-fulvous.

*Hab.* W. AFRICA (*Dudgeon*), 3 ♂; N. NIGERIA, Minna (*Macfie*), 4 ♂ type; UGANDA, Gondokoro (*Reymes-Cole*), 2 ♂; BR. C. AFRICA, Mt. Mlanje (*Neuve*), 4 ♂. *Exp.* 16-22 mm.

(7 c) *Patissa atricostalis*, sp. n.

♂. Pure white; palpi at sides and shoulders black-brown; antennæ blackish. Fore wing with the costa blackish, tapering to before apex.

*Hab.* QUEENSLAND, Cedar Bay, Cooktown (*Meek*); W. AUSTRALIA, Sherlock R. (*Clements*), 1 ♂, 3 ♀ type, Roebourne, 1 ♂. *Exp.* 18-22 mm.

(7 d) *Patissa ochroalis*, sp. n.

♂. Head reddish brown; thorax and abdomen ochreous yellow; pectus, legs, and ventral surface of abdomen ochreous white, the fore legs tinged with brown. Wings ochreous yellow, the costa of fore wing red-brown.

♀. Head, thorax, and abdomen ochreous white, the sides of head and palpi fulvous yellow; fore wing ochreous yellow, the costa narrowly red-brown towards base; hind wing and underside ochreous white.

*Hab.* SURINAM, Rio Derg, 1 ♂ type; BRAZIL, Amazons, Ourem (*Schulz*), 1 ♀. *Exp.*, ♂ 22, ♀ 14 mm.

(8a) *Patissa fractilinealis*, sp. n.

Head and thorax white more or less irrorated with chocolate-brown; abdomen white; palpi and fore legs more strongly tinged with chocolate-brown. Fore wing white irrorated with chocolate-brown; the costal edge more or less strongly chocolate-brown on basal half; a minute chocolate-brown spot at upper angle of cell; an oblique chocolate-brown line from costa just before apex to inner margin beyond middle, obsolescent towards apex, below vein 2 reduced to a small spot on vein 1, or reduced to points on the veins throughout; a fine chocolate-brown terminal line. Hind wing white irrorated with a few chocolate-brown scales on terminal half; a fine chocolate-brown terminal line. Underside white irrorated with chocolate-brown scales; fore wing with oblique chocolate-brown line from costa before apex to vein 2; hind wing with oblique punctiform chocolate-brown line from costa before apex to submedian fold.

*Hab.* BR. E. AFRICA, Nairobi (*Crawshay, Anderson*), 2 ♀; UGANDA, Katesa (*Betton*), 1 ♂ type, Ketoma (*Doggett*), 1 ♂. *Exp.* 22 mm.

(1a) *Styphlolepis leucosticta*, sp. n.

Head and thorax cupreous rufous; palpi white below to near extremity of 2nd joint; abdomen cupreous rufous, the base, sides, and anal tuft whitish; pectus and legs white tinged with cupreous rufous; ventral surface of abdomen with white segmental lines. Fore wing cupreous rufous irrorated with a few dark brown scales, the costa towards base and terminal area rather browner; a small subbasal silvery white spot defined by darker brown above vein 1; an indistinct slightly sinuous brown medial line, oblique below the cell; an indistinct brown postmedial line, slightly excurved below costa, then oblique; cilia dark brown with a fine whitish line at base, the tips white at submedian fold. Hind wing white, the apical area pale cupreous brown, broadly at costa, narrowing to a point at termen at vein 3, a slight waved brown subterminal line from costa to vein 4; cilia with a rufous line near base to submedian fold, rufous at tips towards apex. Underside of fore wing with the cell and areas just beyond its upper and lower extremities dotted with white scales.

Antennæ with uniseriate laminate branches; fore wing with veins 6, 7 hardly stalked.

*Hab.* W. AUSTRALIA, Sherlock R. (*Clements*), 1 ♂ type. *Exp.* 50 mm.

## Genus SCIRPOPHAGA, insert

*Topentis*, Hübn. Verz. p. 366 (1827), type *prælata*, which has priority.

(8 b) *Topentis rhodoproctalis*, sp. n.

♀. Head, thorax, and abdomen silvery white, the anal tuft rose-pink; antennæ blackish at sides; fore tibiæ on outer side, the fore and mid tarsi and the hind tarsi except basal joint fuscous. Wings silvery white, the fore wing with small black spot at lower angle of cell.

*Hab.* SINGAPORE (*Ridley*), 1 ♀ type. *Exp.* 36 mm.

(8 d) *Topentis flavidorsalis*, sp. n.

♂. Head and thorax white suffused with ochreous yellow; abdomen white, the two basal segments dorsally suffused with fulvous yellow. Fore and mid legs ochreous brown, the hind legs ochreous white. Fore wing chalky white, the basal area suffused with ochreous yellow, the costal edge brownish to middle; a round black spot at lower angle of cell. Hind wing silvery white, the costal area, the cell and area beyond it, and the submedian fold suffused with brown. Underside of fore wing suffused with reddish brown except on terminal area. Hind wing with the costal area to beyond middle and the area just beyond the cell tinged with reddish brown.

*Hab.* BHUTÁN (*Dudgeon*), 1 ♂ type. *Exp.* 30 mm.

(8 d) *Topentis brunnealis*, sp. n.

♂. Head and thorax ochreous brown; abdomen white tinged with brown; palpi fuscous brown to near extremity of 2nd joint, the tips white tinged with ochreous; fore and mid legs fuscous brown, the hind legs white tinged with brown. Fore wing ochreous brown; an oblique black bar at lower angle of cell. Hind wing white tinged with ochreous brown. Underside of fore wing fulvous brown; hind wing white tinged with fulvous brown, the inner area whiter.

*Hab.* BURMA, Up. Chindwisi Distr., 1 ♂ type. *Exp.* 30 mm.

(18 a) *Topentis termipunctalis*, sp. n.

♀. Head and thorax pale pink, the head with some white; abdomen white with fulvous yellow dorsal patch on 2nd and 3rd segments; pectus white; legs white tinged with pink. Fore wing pale pink irrorated with a few dark brown scales; a slight dark brown spot at lower angle of cell; a terminal series of black points; cilia white mixed with dark brown. Hind wing silvery white. Underside of fore wing white tinged with pink.

*Hab.* BR. C. AFRICA, Mt. Mlanje, Lucheny R. (*Neave*), 1 ♀ type. *Exp.* 16 mm.

(18 c) *Topoutis irrorata*, sp. n.

Head and thorax ochreous tinged with red-brown; abdomen ochreous white, dorsally suffused with fulvous yellow towards base; antennæ brownish; palpi dark brown above, whitish below; pectus and legs ochreous white, the fore legs tinged with brown. Fore wing ochreous tinged with red-brown and irrorated with dark brown, the costal edge brown; an indistinct brownish discoidal bar; an oblique rather diffused brownish subterminal line; the termen rather more strongly tinged with brown. Hind wing silvery white with subterminal series of slight reddish brown points to vein 2 and terminal series of more distinct points. Underside of fore wing tinged with red-brown, a slight brownish subterminal line with diffused white beyond it; hind wing tinged with red-brown except on inner area, a slight brownish postmedial line to vein 2.

*Hab.* BRAZIL, Castro Paraña (*D. Jones*), 2 ♂, 1 ♀ type. *Exp.* 12-16 mm.

(1 a) *Schænobius pyraustalis*, sp. n.

♂. Head and thorax yellowish suffused with rufous; abdomen white dorsally tinged with rufous; fore and mid legs pale rufous. Fore wing yellowish suffused with rufous, the costal area suffused with dark red-brown to end of cell; small antemedial and medial black spots on median nervure and vein 1; a diffused oblique rather maculate blackish bar from upper angle of cell to vein 3 beyond the cell; a diffused maculate blackish subterminal band from costa to below vein 3. Hind wing glossy white, faintly tinged with brown except towards base. Underside of fore wing and the costal area of hind wing and the terminal area except towards tornus suffused with rufous, the costal area of fore wing suffused with dark brown to beyond end of cell.

*Hab.* ARGENTINA, Goya Corrientes (*Perrens*), 2 ♂ type. *Exp.* 22 mm.

(3 a) *Schænobius rufalis*, sp. n.

♀. Head and thorax rufous suffused with red-brown; abdomen ochreous white, dorsally tinged with rufous towards base; antennæ brown; pectus and hind legs ochreous white; fore and mid legs ochreous suffused with rufous, the tarsi brown with slight pale rings. Fore wing ochreous suffused with rufous and irrorated with dark red-brown; a black point at lower angle of cell; a terminal series of slight black points; cilia white tinged with rufous. Hind wing silvery white with a tinge of buff; a terminal series of black points to vein 2. Underside of fore wing ochreous suffused with red-brown, the costa whiter to beyond middle; hind wing brownish white, the costal half suffused with red-brown to beyond the cell.

*Hab.* BR. E. AFRICA, Alubas (*Betton*), 1 ♀; UGANDA (*Doggett*), 2 ♀ type. *Exp.* 40-44 mm.



(3b) *Schænobius ignitalis*, sp. n.

♂. Head and thorax rufous mixed with dark brown; abdomen silky whitish, dorsally tinged with rufous towards base; pectus, legs, and ventral surface of abdomen whitish, suffused with rufous. Fore wing fiery rufous, the costal half suffused with dark brown; a small black spot at lower angle of cell and smaller spot at upper angle; antemedial and medial points in submedian fold; a maculate black line from apex to submedian fold below end of cell; a terminal series of strong black points. Hind wing silky white with a slight brownish tinge; a terminal series of black points to vein 2; cilia ochreous. Underside of fore wing ochreous tinged with brown, the oblique line from apex indistinct and diffused; hind wing ochreous white, an indistinct diffused oblique brownish line from apex to vein 2.

♀. Fore wing without the black spot from upper angle of cell, the oblique line from apex indistinct and diffused.

*Hab.* TRANSVAAL, White R. (*Cooke*), 1 ♂, 1 ♀ type; NATAL, Durban (*Queckett, Marley, Leigh, Clark*), 7 ♀. *Exp.*, ♂ 32, ♀ 34-44 mm.

(7b) *Schænobius attenuata*, sp. n.

♂. Very slender; fore wing very long and narrow. White; head, thorax, abdomen, and fore wing tinged with ochreous. Fore wing irrorated with large dark brown scales; a fine dark terminal line. Hind wing nearly pure white.

*Hab.* NATAL, Kimbolton (*Hutchinson*), 2 ♂ type. *Exp.* 16 mm.

(7c) *Schænobius micralis*, sp. n.

♂. Head, thorax, and abdomen white tinged with ochreous brown; antennæ fuscous; palpi, pectus, legs, and ventral surface of abdomen white, the palpi and legs tinged with fuscous. Fore wing white suffused with brownish ochreous. Hind wing white with a slight ochreous tinge. Underside white suffused with brownish ochreous.

*Hab.* C. CHINA, Fokien, Ting-hai (*de la Garde*), 2 ♂ type. *Exp.* 16 mm.

(11a) *Schænobius semifuscalis*, sp. n.

♂. Head and thorax fuscous brown with a slight cupreous tinge, the vertex of head with some whitish; abdomen white tinged with rufous; fore and mid legs red-brown, the hind legs whitish. Fore wing glossy fuscous brown tinged with rufous especially on inner half; a small black spot at lower angle of cell; a terminal series of black points; cilia with some whitish mixed and a punctiform blackish line at middle. Hind wing glossy white with a slight red-brown tinge, the terminal area more strongly suffused with reddish

brown to submedian fold; a terminal series of black points. Underside of fore wing pale reddish brown; hind wing white, the costal area and terminal area to submedian fold suffused with red-brown; both wings with terminal series of black points to vein 2.

*Hab.* ARGENTINA, Gran Chaco, Florenzia (*Wagner*), 1 ♂ type. *Exp.* 24 mm.

(11 b) *Schænobius pulverealis*, sp. n.

♂. Head white tinged with pale red-brown; palpi pale red-brown, white below towards base; thorax pale red-brown; abdomen white tinged with red-brown, the 2nd and 3rd segments with dorsal fulvous yellow patch; pectus and legs white tinged with red-brown. Fore wing grey-white tinged with brown and irrorated with fuscous, the costal half to submedian fold and to the oblique line from apex browner; a small black spot at lower angle of cell and usually a point at upper angle; blackish ante- and postmedial points in submedian fold and an oblique blackish line from apex to discal fold; a terminal series of prominent black points. Hind wing white tinged with reddish brown especially on costal half; a terminal series of black points to vein 2. Underside pale red-brown, the inner area of hind wing white.

♀. Fore wing redder brown, the spot at lower angle of cell reduced to a point, the points and oblique line from apex obsolete.

*Hab.* PARAGUAY, Sapucay (*Foster*), 1 ♂; ARGENTINA, Santa Fé, Ocampo (*Wagner*), 2 ♂, 1 ♀ type, Gran Chaco, Florenzia (*Wagner*), 1 ♀; *Hab. ign.*, 1 ♀. *Exp.*, ♂ 22-24, ♀ 40-44 mm.

(14 a) *Schænobius fulvitinctalis*, sp. n.

♀. Head and thorax pale fulvous brown; abdomen white slightly tinged with fulvous brown except at base; pectus and legs white tinged with fulvous brown. Fore wing pale fulvous brown; a diffused brown streak in and beyond end of cell; slight diffused fuscous spots at angles of cell and an oblique series of slight rather diffused blackish spots from apex to vein 4; a terminal series of black points. Hind wing silvery white with a faint brownish tinge. Underside of fore wing and costal area of hind wing tinged with fulvous brown.

*Hab.* PHILIPPINES, Ticao I. (*McGregor*), 1 ♀ type. *Exp.* 30 mm.

(14 b) *Schænobius phæopastalis*, sp. n.

♂. Head and thorax brown with a slight cupreous tinge; abdomen whitish tinged with brown; pectus and legs whitish suffused with reddish brown. Fore wing greyish suffused with reddish brown and irrorated with fuscous brown; a slight blackish spot at lower angle of cell and point at upper angle; an oblique blackish shade from apex to just beyond lower angle of cell; a terminal series of black points. Hind wing whitish tinged with

brown; a faint oblique dark shade from apex to beyond lower angle of cell; a terminal series of slight blackish points to vein 2. Underside of fore wing and the costal area of hind wing suffused with reddish brown, the rest of hind wing brownish white.

*Hab.* TRANVAAL, Pretoria (*Distant*), 1 ♂ type. *Exp.* 30 mm.

(19b) *Schœnobius ochritinctalis*, sp. n.

♂. Head and thorax white, the antennæ fuscous except above, the palpi reddish brown; abdomen white dorsally tinged with fulvous yellow, the 1st segment at extremity and the 2nd and 3rd segments deeper fulvous yellow; legs tinged with brown. Fore wing white, tinged with ochreous especially on basal area and costal area to end of cell, the costal edge fuscous towards base. Hind wing silvery white. Underside of fore wing and the costal area of hind wing suffused with reddish brown.

*Hab.* Sierra Leone (*Clements*), 1 ♂ type. *Exp.* 24 mm.

(2) *Donacula pulverea*, sp. n.

White; head, thorax, and fore wing thickly irrorated with fuscous; abdomen less strongly irrorated and dorsally yellowish towards base. Fore wing with black point at lower angle of cell; a curved fuscous line from apex to middle of inner margin, with less irroration on each side of it towards inner margin; a terminal series of black points. Hind wing with traces of a line from apex to tornus formed by slight fuscous irroration; a terminal series of black points.

*Hab.* NATAL, Weenen, types in Coll. Rothschild and B.M. *Exp.*, ♂ 24, ♀ 26 mm.

(4b) *Cirrhochrista annulifera*, sp. n.

Pure white; palpi red at sides; antennæ reddish; thorax and abdomen with dorsal series of red-brown marks. Fore wing with the costa fulvous irrorated with dark brown and emitting a sub-basal speck and antemedial and medial triangular marks; an antemedial line arising from the 1st triangular mark, very oblique to vein 1 where it is angled; a large annulus between the 2nd triangular mark and tornus; a postmedial annular fulvous mark on costa emitting a line across apical area to termen, obtusely angled inwards on vein 6; a terminal line with points running inwards on the veins and expanding into an annulus at tornus. Hind wing with terminal fulvous and dark brown line joined at vein 2 by a short oblique line from vein 5.

*Hab.* D'ENTRECASTEAUX IS., Fergusson I., Goodenough I. (*Meek*), 1 ♂ type. *Exp.* 20 mm.

*(5 b) Cirrhochrista convoluta*, sp. n.

♀. Pure white; palpi, sides of frons, antennæ, shoulders, and bands on fore legs rufous; abdomen with dorsal rufous stripe emitting oblique lateral lines. Fore wing with yellow and brown costal fascia; a short subbasal line; an oblique antemedial line expanding and enclosing a pale spot on costa; a pale yellow discoidal line conjoined to the costal fascia and defined by a strong brown line giving rise to fine lines enclosing a rounded space above submedian fold where they touch then an elliptical space above inner margin, the inner line being strongly dentate outwards above the margin; a line across apical area dilated and enclosing pale yellow spots on costa and termen at vein 4, strongly dentate inwards on veins 5 and 6; a terminal crenulate line and a line through the cilia. Hind wing with crenulate terminal line from vein 6 to submedian fold emitting an oblique striga at vein 3 and with a line through the cilia beyond it.

*Hab.* GOLD COAST, Kumasi (*Whiteside*), 1 ♀; S. NIGERIA, Sapele (*Sampson*), 1 ♀ type, Ilesha (*Humfrey*), 1 ♀; NATAL, Durban (*Gooch*), 2 ♀. *Exp.* 24–30 mm.

*(5 c) Cirrhochrista xanthographis*, sp. n.

♀. Pure white; palpi, antennæ, shoulders, and bands on fore legs yellow; abdomen with dorsal yellow band on 3rd segment followed by a series of spots. Fore wing with yellow costal fascia; a yellow antemedial line defined by dark scales, oblique from costa to submedian fold where it is acutely angled; a yellow discoidal spot defined by brown lines; a waved postmedial band incurved below costa, excurved between veins 5 and 3, then bent inwards to below end of cell; a crenulate terminal line. Hind wing with waved yellow subterminal band irrorated with dark scales between veins 6 and 2; a crenulate terminal line.

*Hab.* D'ENTRECASTEAUX IS., Fergusson I. (*Meek*), 1 ♀ type. *Exp.* 28 mm.

*(5 e) Cirrhochrista diploschalis*, sp. n.

♂. Head and thorax white, the dorsum of thorax tinged with rufous, the antennæ brownish at sides, the palpi, sides of head, and shoulders yellow and dark brown; abdomen white, dorsally suffused with red-brown except at base and with slight blackish bands towards extremity; fore tibiæ and tarsi tinged with rufous and banded with black. Fore wing silvery white; the costa suffused with orange-yellow with a streak of silvery and dark brown scales on it on basal area; a narrow oblique orange-yellow antemedial band, defined on outer side by dark brown scales and dilated towards costa; rather diffused dark red-brown medial and postmedial lines with some silvery scales on them towards costa, the former oblique, the latter incurved, anastomosing with the former at middle and ending at tornus, their forks towards costa and inner margin filled

in with orange-yellow; a curved dark red-brown subterminal line from costa to the postmedial line at vein 1, the area beyond it suffused with orange-yellow and with a silvery and brown streak beyond it below costa; a narrow red-brown terminal band with a series of minute silvery spots on it; cilia orange-yellow with some brown scales before tips which are whitish. Hind wing silvery white, the termen and cilia tinged with yellow. Underside white, the costa of fore wing tinged with yellow-brown.

*Hab.* D'ENTRECASTEAUX Is., Fergusson I. (*Meek*), 2 ♂ type. *Exp.* 26 mm.

(5f) *Cirrhochrista bifurcalis*, sp. n.

Head and thorax white; antennæ slightly tinged with rufous; palpi black-brown glossed with silver, white below towards base; abdomen white, dorsally suffused with dark brown on medial segments, the penultimate segment with yellow band with black points at sides, the anal tuft with yellow spot and black point; fore tibiæ and tarsi banded with orange and black. Fore wing white, the costa orange; a dark brown and silvery streak just below costa to middle; a narrow oblique orange antemedial band with an incurved silvery and dark brown line on it; red-brown medial and post-medial lines with small silvery spots on them, the former excurved, the latter incurved and anastomosing with the former at middle, ending on termen above tornus, its fork towards costa filled in with orange and with an orange mark on it below vein 3; an oblique slightly sinuous red-brown line with black and silvery points on it at the veins from costa before apex to termen below vein 4, a brown and silvery streak beyond it below costa; a narrow silvery and brown terminal band with some black points before it towards apex. Hind wing silvery white. Underside white; fore wing with oblique series of dark points from costa beyond middle to vein 4 near termen and dark points on termen towards apex.

Ab. 1. Abdomen with subdorsal dark brown and silvery spots on medial segments and without the yellow mark and black points on terminal segments. *Formosa*.

Ab. 2. Abdomen tinged with rufous except at base; fore wing tinged with yellow-buff. Philippines to N. Guinea.

Ab. 3. Fore wing with the area below the cell suffused with black-brown between the antemedial and medial lines.

*Hab.* FORMOSA, Kanshirei (*Wileman*), 4 ♀; ASSAM, Khâsis, 1 ♂ type; PHILIPPINES, Mt. Makiling (*Baker*), 1 ♀; S. CELEBES (*Doherty*), 1 ♂, Sangir I. (*Doherty*), 1 ♂; DUTCH N. GUINEA, Humbolt Bay (*Doherty*), 1 ♂. *Exp.* 22-26 mm.

(5g) *Cirrhochrista primulina*, sp. n.

♀. Head and thorax white; antennæ tinged with red-brown; frons black at sides; palpi tinged with red-brown and with blackish

mixed; abdomen white, tinged with red-brown except at base; fore tibiæ and tarsi banded with rufous and black-brown. Fore wing white suffused with yellow-buff; the costa deeper yellow to middle with a dark red-brown and silvery streak below it; a narrow oblique red-brown and silvery antemedial band; medial and post-medial red-brown and silvery lines, the former excurved, the latter incurved, anastomosing with the former at middle and ending at submedian fold near termen, enclosing a spot of the ground-colour at vein 2; a curved red-brown subterminal line from costa to the extremity of the postmedial line at submedian fold, crossed by a silvery streak below costa extending to termen; a narrow silvery terminal band edged with dark red-brown; cilia orange-yellow. Hind wing silvery white. Underside white; fore wing with curved subterminal series of brown points from costa to vein 4.

*Hab.* BR. N. GUINEA, Kumusi R. (*Meek*), 1 ♀ type. *Exp.* 26 mm.

(5h) *Cirrhochrista aurantialis*, sp. n.

♂. Head, thorax, and abdomen pale yellow; palpi black at base and tips; abdomen banded with black. Fore wing orange-yellow with silver markings on fuscous; the base of costa streaked with silver and fuscous; an antemedial line angled inwards below the cell; an excurved medial line more or less angled at lower end of cell and approaching the 1st line at costa and inner margin, at lower angle of cell it is quite or almost conjoined to a large somewhat irregular U-shaped mark from costa beyond middle; bright silver and fuscous lines on apical part of costa and outer margin. Hind wing white becoming yellowish towards outer margin.

*Ab.* 1. Fore wing with the area between the antemedial and medial lines filled in with fuscous black.

*Hab.* AMBOYNA (*Doherty*), 2 ♂ type. *Exp.* 26 mm.

(3) *Loxostegopsis phæopasta*, sp. n.

♀. Head and thorax white tinged with fuscous brown; abdomen white, pectus and legs white, the tarsi slightly tinged with brown towards extremities. Fore wing white strongly irrorated with dark brown; a slight dark brown postmedial line, excurved to discal fold, then oblique to inner margin beyond middle; a fine dark brown terminal line. Hind wing white slightly irrorated with brown except on inner area; a rather punctiform dark brown terminal line to submedian fold. Underside of fore wing suffused and irrorated with brown.

*Hab.* U.S.A., Arizona, Phoenix (*Kunze*), 1 ♀ type. *Exp.* 14 mm.